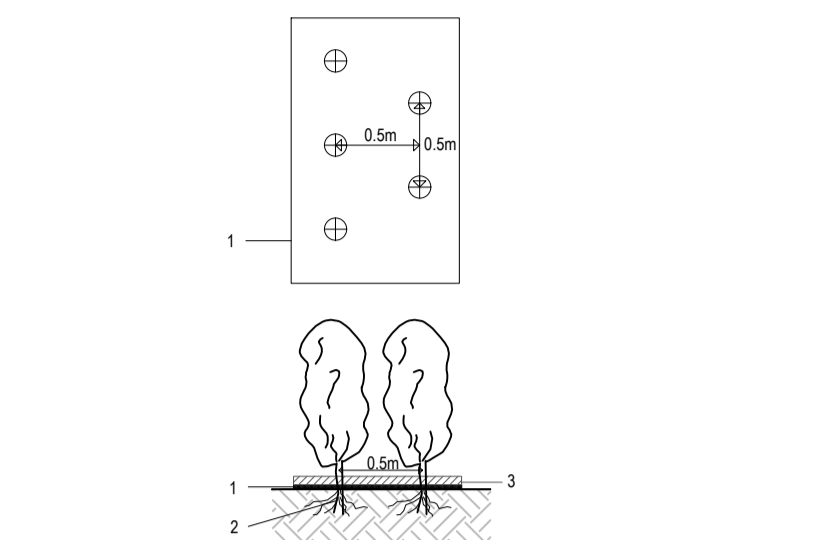
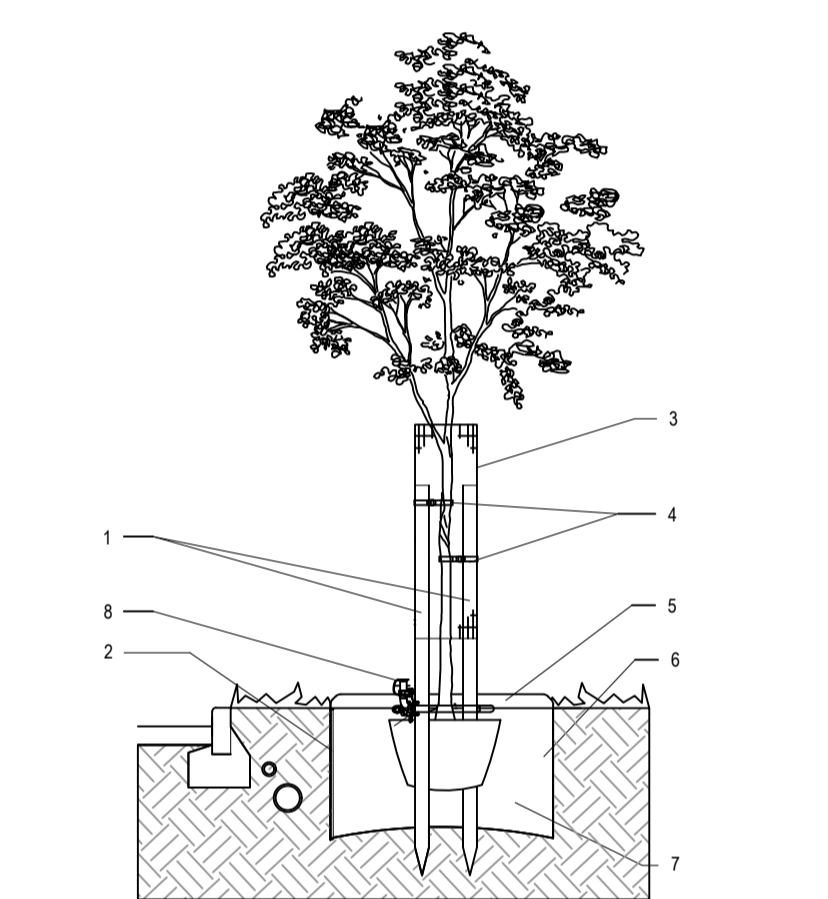


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- Hedgerow Planting Detail**
- 1m wide biodegradable weed mat roll pegged down with biodegradable pegs along line of hedgerow to prevent weed growth and retain moisture.
 - Hedgerow shrub to be planted (following clearance of any existing vegetation) within a pit, excavated to allow a 75mm clearance around the edges of the root system. Sides and bottom of pits shall be loosened to relieve any compaction.
 - Cover with 75mm of bark mulch.
- Immediately after planting, water the shrubs, saturating the ground around its base to field capacity.



- Tree Pit Detail - Select Standard (Adjacent Hard Standing)**
- 2x tanalised timber tree stakes 2m, 75mm Ø driven into backfilled pit to provide support to the tree.
 - GreenLeaf ReRoot 2000 High Density Polyethylene root barrier, or similar equal and approved installed between tree root ball and hard surfaces/services where there is a risk of root damage as the tree grows outward. Installed wherever the rootball will be within 2m of a building foundation or within 3m of an existing or proposed underground service route. Install closer to the paving/service than the tree, to allow space for the tree roots to grow into the space available, with the ribs facing the tree. Note this may mean not placing the barrier within the tree pit, but further away within its own trench. Root barriers must extend a minimum of 2m lengthways beyond the expected canopy of the mature tree. The top of the root barrier should be set 10mm above ground level. Thickness 2mm. Barrier depth: 2000mm where possible and 1000mm where not.
 - Tubex Treeguard Mesh Roll or similar approved, 12mm mesh roll cut to size and bent in circle 320mm Ø and tied to tree stake to protect tree from damage by people and animals. Bottom of mesh should be 300mm above ground level to prevent litter and weeds building up around the base of the tree. Top of mesh should be below the first lateral branch.
 - Use 2x Tree Ties GLB25A with GLPFA spacer sleeves or similar to secure tree to support post.
 - 75mm deep bark mulch layer to be spread evenly over a circular area 1000mm Ø around the tree to prevent weed growth and retain moisture.
 - Excavate tree pit to 600mm diameter x 600mm deep. Break up base to a depth of 150mm (minimum), scarify edges. The tree should be planted at a depth where the root flare is still visible, just breaching the soil surface, following backfilling.
 - Backfill tree pit with subsoil and topsoil excavated from pit if this is regarded as of sufficient quality to promote the healthy establishment of the tree. If either the top soil or sub soil excavated from the pit is of poor quality, then soil ameliorants may be used sparingly or imported topsoil compliant with BS3882 should be used.
 - Watering/aeration tubes - 50mm Ø, black perforated land flex drainage pipe with suitable rubber/plastic bung. Place around top of root ball and nail to supporting stake, ensuring filler cap finishes slightly above mulch level.

- Site Boundary
- Vegetation to be Removed
- Retained Vegetation
- Proposed Tree
- Proposed Closeboard Fence
 Wooden Vertical Closeboard Fencing with 150mm Gravel Board, 75x75x2400mm Timber Fence Posts, 1800mm total height
- Proposed Closeboard Gate
 Wooden Vertical Closeboard Double Gate, 1800mm height, 2700mm total width (1350mm width per gate)
- Asphalt Surface
 (See Asphalt Reinstatement Drawing, Ref: GENERIC-TSG-XX-XX-FIN-C-001)
- Concrete Surface
 (See Concrete Instatement Drawing, Ref: GENERIC-TSG-XX-XX-FIN-C-002)
- Proposed Evergreen Shrub
- Proposed Single Species Hedgerow
- Proposed Amenity Turf
 (Germinal A22)
- Specimen Tree Root Barrier Systems
 GreenLeaf ReRoot 2000 High Density Polyethylene or similar equal and approved
- Proposed Underground Services
 As per Engineer's drawings
- Existing Underground Services
 As per Engineer's drawings



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Client:
 Rapleys LLP

Project Title:
 M&S Car Park, Fosse Park

Drawing Title:
 Detailed Soft Landscape Proposals (Sheet 1 of 2)

Date: 04 January 2024
 Drawing Number: LB403_D01
 Scale: 1:100 at A1
 Status: Final

Drawn By: EB
 Checked by: AL
 Revision: -
 Use: Planning

OUTLINE SPECIFICATION NOTES - SOFT LANDSCAPING

SITE PREPARATION AND EARTHWORKS

All existing trees, hedgerows and other vegetation to be retained either within the site or immediately adjacent to the site, shall be protected from damage in accordance with BS 5837 : 2012 'Trees in Relation to Construction'.

All trees and shrubs shown to be removed shall be removed outside the bird nesting season (i.e. outside the period of beginning March to end of August inclusive). All tree stumps of trees to be removed are to be ground out, with the root stock entirely removed, and all arisings removed from site.

Subsoil and topsoil shall be 'site won' or imported as required. A detailed testing and analysis of the physical and chemical properties of the proposed soil material to be used should be carried out to assess its suitability for use within the soft landscaped areas.

Generally, all earthworks shall be executed in accordance with BS4428 'General Landscape Operations'. Ground profiles to be left with smoothly flowing contours, free from localised depressions, high spots and abrupt angles.

Subsoil and topsoil shall be spread to achieve a minimum depth of 800mm of viable rooting depth for trees and shrubs within all planting:

- Ornamental/native shrub planting : 300mm depth topsoil over 500mm depth subsoil

Cultivate topsoil to produce an even surface free from lumps and clods, with cultivation to a minimum depth of 450mm. The need for ameliorants and fertilisers shall be reviewed by appropriate soil testing, prior to soil spreading or import.

EXISTING TREES AND SHRUBS

- Avoid damage to branches, trunks and roots of trees. All existing trees and hedges to be retained are subject to BS5837 (2005 and all amendments to date) 'Trees in relation to Construction – Recommendations', and should be fully fenced off, prior to the commencement of any works.
- Where existing trees and shrubs are to be retained they should be subject to a full Arboricultural inspection for safety;
- Any surgery required shall be in accordance with BS3998 (2010 and all amendments to date) 'Tree Work – Recommendations', shall comply with any existing T.P.O requirements and shall require the prior approval of the Landscape Architect;
- No storage of materials, disposal of rubbish, site fires, spillage of oil and chemicals, ground compaction, excavation or changes in level shall be carried out within existing tree/hedge canopies.

GENERAL PLANTING SPECIFICATIONS:

Proposals to be read in conjunction with Architect's and Engineers Drawings;

- All landscape operations to be in accordance with BS4428: 1989 & BS 3936: 1992 and all amendments to date;
- Plant material to conform to the National Plant Specification;
- Any plant material planted outside the recognised planting season (Nov-Feb), to be containerised stock and supplied at the sizes specified;
- Plant handling and planting operations to be in accordance with HTA "Handling and Establishing Landscape Plants parts 1 - III";
- All planting to be maintained and guaranteed for 12 months to include watering, weeding, pest & disease control;
- The landscape sub-contractor is to take all safety precautions to prevent any injury to any persons. The landscape sub-contractor shall comply with the requirements of the Health and Safety at Work Act 1974 and current Construction, Design and Management Regulations; and
- The landscape sub-contractor shall confirm the location of all underground services before commencement of planting and report where trees/hedges are suggested within 2m of underground services and 5m of buildings.

NEW PLANTING

Handling and transportation of all plants shall be carried out in accordance with Horticultural Trade Association's 'Plant Handling' recommendation (1987).

All planting operations shall be carried out in accordance with BS5326:1975; BS4043:1966, and BS4428:1968. Advanced nursery stock to BS5236:1975.

Areas of beds to be planted must be:

- Free of weeds, litter and other debris, which may affect plant establishment and growth
- Well rotavated to a depth of 400mm to loosen soil, with the application of fertile organic matter to aid in plant growth and development
- Soaked before planting allowing water to sufficiently permeate the soil.

It is important to maintain a weed-free area and adequate levels of moisture especially in new planting beds. Before planting and applying any weed suppressants:

- The ground must be levelled whilst clearing all weeds, debris and rubbish;
- Dig over and rotavate soil breaking up any large clods of earth;
- Soak soil thoroughly prior to planting and after digging before applying mulch or membrane;
- Membrane must be rolled out before planting and secured to the ground using membrane staples;
- Position plants within bed, drawing around the pot base with chalk;
- Cut out the circle of membrane leaving some bare earth around the plant base;
- Apply mulch at a thickness of approximately 75mm (leave a sufficient area of bare ground around the stems or trunk so enough water can permeate the ground to the roots);
- Leave mulch 20-30mm below the level of adjacent hard surfaces at edges of planting beds to prevent mulch spilling over during watering.

TREES

- No trees to be planted within 3 metres of sewers or services or other easement recommended by the relevant statutory undertaker without the use of tree root barriers eg GreenLeaf Reroot 600/100 placed between the tree and services;
- All trees shown to be planted ensuring that they are at least 5 metres away from buildings;
- Contractor to ascertain the location of all sewers and services prior to tree planting;
- Root barrier to be installed in planting pits in near proximity to underground services;
- Allow for the use of container grown stock during the periods 1 April to 31 October, and field grown stock from 1 November to 31 March unless otherwise specified in the planting schedule;
- Standard trees (up to and including 10-12cm girth) to be planted in pits 900 diameter x 900mm deep, supported by a single stub stake;
- All tree pits should be comprise of 300mm of topsoil over 600mm free draining subsoil to replicate normal ground conditions;
- Where necessary increase tree pit dimensions to ensure that tree pits are at least 75mm deeper and 150mm wider than rootball. Break up bottom of pits to a depth of 150mm. Compacted glazed sides of pits should be roughened.

EVERGREEN AND HEDGEROW SHRUBS

All shrubs, ornamental grasses and herbaceous perennials shall be supplied in accordance with the plant schedules by named nurseries. Shrub pits to be excavated to allow a 75mm clearance around the edges of the root system, and sides and bottom of pits shall be loosened to relieve any compaction. Backfill for each plant to include 50g of SAI Enmag fertiliser.

Evergreen shrubs should be planted in species groups of 8-12 plants to create species swathes, at a density of 3/m². Hedgerow shrubs should be planted in double staggered row, offset by 500mm with 500mm centres.

TURF

Turf to be of cultivated grade such as Rolawn "Medallion", or other of similar quality and source, approved by the landscape architect. The contractor shall replace at once any turf rejected by the landscape architect at his own cost. Ensure the turf is laid flat and is free from hollows, lumps and bumps, cracks or brown dried patches or other defects, and that turf is well watered before laying and again after laying. Turf areas will be taped off using high-vis tape until well established.

SOIL AND MULCH

Soils should be certified to BS 3882:2015 (topsoil) and BS 8601:2013 (subsoil), but most importantly found via a soil scientists interpretive report and soil resource plan to be fit for the specific landscape function. Topsoil and subsoil will be of similar textural range and 'keyed in' at interface.

- Existing topsoil (if present and suitable) to be stripped and stored on site in heaps not exceeding 2m in height and kept weed free;
- Any compacted subsoil to be broken up to allow free drainage and to enable topsoil to key into surface;
- Any imported topsoil to be to BS3882, medium texture, neutral PH value, reasonably stone free with no stones over 20mm in size;
- Topsoil depths to be 300mm for shrubs, hedges, climbers and groundcover planting; and,
- All planting areas to be covered with a 75mm depth of medium grade bark mulch.

PLANT MATERIAL TREATMENT

- All trees and shrubs are to be supplied from nurseries in the UK or other member countries of the EEC. The Landscape Architect is to approve the nursery selected by the Landscape Subcontractor for the supply of plants. The landscape subcontractor is responsible for the protection of plant material being hardened off or grown at their nursery and shall make good defects:Root Dip – Proprietary Root Dip applied to all bare root stock at time of lifting at nursery and prior to planting;
- Anti-Desiccant – Proprietary anti-desiccant to be applied to foliage of all containerised/rootballed material in leaf, specimen confiders and evergreens etc. prior to transportation and during any delay in planting;
- Plants should be stored in a suitable location on site where they can be positioned upright and sheltered from wind. Their pots/root balls should be sheltered from direct sunlight especially during hot dry weather.
- Plants should be delivered in batches as required and planted within 48 hours of delivery from nursery, stock should be watered regularly before and after planting
- On delivery, check plants are in accordance with original specification set out by landscape architect, are in a healthy condition, free of broken stems, wilting leaves and disease
- Pruning – Allow for pruning of all deciduous trees and shrubs by 1/3rd following planting at Landscape Architect's direction or as indicated in the planting schedule;

SOFT LANDSCAPE MAINTENANCE AND MANAGEMENT

MANAGEMENT RESPONSIBILITIES

The Landscape works will receive post installation management and maintenance. The first 12 months management is to be included within the landscape contract, and be undertaken by the landscape contractor (appointed by the Developer) to their own specification with the sole purpose of ensuring that the softworks are planted (in accordance with the planting and successfully established. All plant failures within the first year will be replaced by the contractor on a like for like basis.

Maintenance and management activities for subsequent years (following end of defects period and covering a minimum period of 10 years) to ensure the soft landscaping is managed effectively beyond the time limits of the implementation and establishment works. The responsibility for this management and maintenance will be with the management company which will be appointed by the Developer.

Management and maintenance operations will be monitored and reviewed on an on-going basis and where required modified if the operations and frequencies set out do not deliver the required results or meet the specific aims and objectives.

DURING ESTABLISHMENT PERIOD

As a minimum, monthly maintenance visits should be undertaken for the first year to inspect, monitor as well as to carry out routine operations, including weeding and litter picking, with other specific operations being undertaken as scheduled below.

During the establishment period following initial planting of native shrub areas the following landscape operations to be undertaken to ensure establishment of healthy, vigorous plants:

- Inspect new planting monthly. Check and adjust ties and firm up stakes as necessary;
- Maintain weed-free area around each tree and shrub, a minimum radius of 150mm from the stem, using mulch mats or herbicide. Mulch to be maintained until plants have formed a close-knit ground cover;
- Re-firm any plants loosened by frost heave, wind rock or vandalism by treading around the base;
- Watering to be undertaken regularly during the summer months and as required in the first five years following planting, to achieve successful plant establishment;
- Ameliorants to be added as necessary and in accordance with the on-going maintenance above;
- Prune or clip to promote bushy, healthy growth and required shape when necessary;
- Trimming back of growth overhanging adjacent footpaths or windows when required; and
- Any dead or dying plants to be replaced during the winter season (November/ March).

ONGOING MAINTENANCE

Existing trees are to be maintained by:

- Regular inspection, at least once a year to ensure they remain in a safe and healthy condition, free of disease, damaged or broken stems/branches and dead wood;
- Pruning back of tree growth to minimise overhanging of parking areas and charging facilities, whilst also ensuring existing trees do not pose a health and safety issue to users; and
- Monitoring and removal of dumped waste.

Proposed tree planting is to be maintained by:

- Check ties and guards regularly for rubbing and adjust if necessary. Constriction of the stem by ties happens very quickly, so fast-growing trees need frequent checking. After bad weather, check for abrasion and snapped stakes or ties. Remove ties and guards once trees can maintain an upright, unsupported growth (generally 18 months to 3 years after planting);
- Pruning (in accordance with good horticultural and arboricultural practice) to maintain health and correct shape of tree and prevent low branches encroaching on paths or roads; and
- Watering - undertaken regularly during the summer months.

Proposed shrub and hedgerow planting is to be maintained by:

- Fertilising for continued healthy growth (for shrubs and hedges only). Ameliorants to be added as necessary;
- Pruning to maintain correct shape of plant and prevent plants encroaching on paths or roads;
- Hedgerow planting is to be maintained to a maximum height of 2m;
- Weed control - Weeding should take place in the the spring and end of the summer;
- Watering - undertaken regularly during the summer months; and
- Seed heads to be left during winter months for wildlife.

HARD LANDSCAPE MAINTENANCE AND MANAGEMENT

- Hard surfaces to be regularly brushed with a stiff non-metal brush to prevent a build-up of dirt. A more substantial clean (mild controlled pressure washing or scrubbing with proprietary solutions following the manufacturer's guidelines) to be carried out two or three times a year, especially during spring and autumn;
- Any damage or vandalism to be reported and rectified as soon as possible; and
- Treat lichen, moss or algae growth with an appropriate proprietary weed killer, used in accordance with the manufacturer's instructions.

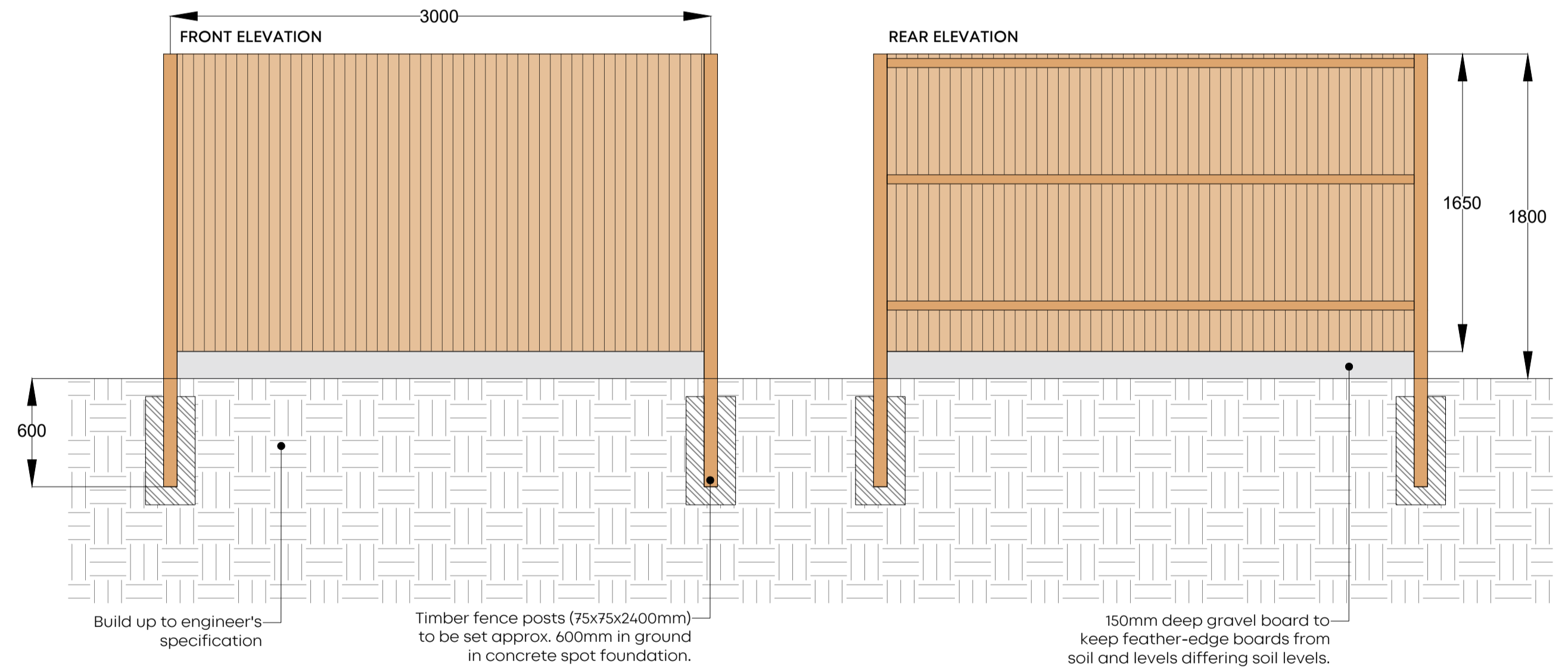
MAINTENANCE SCHEDULE

Component	Task	Time of Year	Frequency
Existing Boundary Trees	Assess for health and damage	Oct to Feb	Annually
	Prune and repair wounds in accordance with good horticultural and arboricultural practice.	Oct to Feb	As required (annually)
Proposed Tree Planting	Check the ties and guards regularly for rubbing and adjust if necessary. Re-firm tree by adjusting tree ties and ensuring soil is re-firmed around the base.	All year round and especially after strong winds, frost heave and other disturbances.	As required (annually)
	Remove ties and guards	Mar-June	Once trees can maintain an upright, unsupported growth, generally 18 months – 3 years after planting.
	Weed Control	Mar to Oct	Monthly/every visit
	Top up bark mulch to full depth of 75mm.	Oct to Mar	Annually
Watering	Prune and repair wounds in accordance with good horticultural and arboricultural practice.	Oct to Feb	As required (annually)
	Watering	Mar to Oct	As required after a period of four weeks without significant rainfall
Evergreen Shrub and Hedgerow Shrub Planting	Refirm Plants	Nov to Mar (Establishment)	Monthly
	Replacement Planting	Nov to Mar (Establishment)	As required (next available planting season)
	Weed Control	Mar to Oct	Monthly/every visit
	Watering	Mar to Oct	As required after a period of four weeks without significant rainfall
	Thinning / Pruning / Removal of dead plant material	Nov to Jan	Annually if required
	Top up bark mulch to full depth of 75mm.	Oct to Mar	Annually
Hard Landscape	General Inspection / Works / Brushing	Throughout	Monthly/every visit
	Hard Surface Cleaning	Feb-May and Sept-Nov	Bi-Annually
	Weed Control / Treatment	Mar to Oct	Monthly
General	Remove Debris / Litter	Throughout	Monthly/every visit
	Winter Leaf Collection	Nov to Jan	Monthly/every visit

TIMBER CLOSE BOARD FENCE

Scale 1:25 at A1

All dimensions in mm (millimeters)



All timber work to be pressure treated softwood with min 25years warranty.

Planting Schedule

Trees

Number	Species	Height	Girth	Specification
1	Sorbus aria 'Majestica'	250-300cm	8-10cm	RB :2x :3 brks :Clear Stem 175-200 :Selected Standard
Total :1				

Hedges

Number	Species	Height	Specification	Density
21	Escallonia rubra 'Crimson Spire'	60-80cm	Bushy :5 brks	0.5Ctr Double Staggered at 0.5m offset
Total :21				

Shrubs

Number	Species	Height	Diameter	Pot Size	Specification	Density
40	Berberis gagnepainii	25-30cm		3L	Bushy: 4 brks: C	3/m ²
47	Lonicera nitida 'Maigrün'		30-40cm	3L	Bushy: 6 brks: C	3/m ²
47	Skimmia x confusa 'Kew Green'	30-40cm		3L	Bushy: 3 brks: C	3/m ²
Total :134						



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Client:

Rapleys LLP

Project Title:

M&S Car Park, Fosse Park

Drawing Title:

Detailed Soft Landscape
Proposals (Sheet 2 of 2)

Date: 04 January 2024
Drawing Number: LB403_D01
Scale: NTS
Status: Final

Drawn By: EB
Checked by: AL
Revision: -
Use: Planning

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